

**United States Environmental Protection Agency
Region V
POLLUTION REPORT**

Date: Thursday, December 16, 2004

From: Steven Faryan

EPA Region 5 Records Ctr.



344857

Subject: Lockformer

711 Ogden Avenue, Lisle, IL

Latitude: 41.8017000

Longitude: -88.0625000

POLREP No.:	9	Site #:	B5Y5
Reporting Period:		D.O. #:	
Start Date:		Response Authority:	CERCLA
Mob Date:	7/22/2002	Response Type:	
Demob Date:		NPL Status:	
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	
RCRIS ID #:			

Site Description

Please see the 'Site Profile' page.

Current Activities

The U.S. EPA OSC Steve Faryan or his designee and/or Weston Solutions, Inc. (WSI), START Member provide oversight while Lockformer contractors remediate the surficial silty clay till with Electrical Resistive Heating (ERH) technology in Areas 1A, 1B, 1D and the Degreaser Area; the remediation of the mass waste sand and gravel throughout Areas 1, 2 and the Degreaser Area is being accomplished with Soil Vapor Extraction (SVE) technology. The OSC or his designee and/or the START Member also provide oversight during the confirmation sampling of the surficial silty clay till.

ERH System (surficial silty clay till)

- Electricity is no longer being applied to any sub-area located in Area 2.
- Electricity is no longer being applied to sub-areas 1C, 1E, 1F, and 1H.
- A total of 7,751,380 kilowatt-hrs of energy have been input to the subsurface at the site as of December 13th, 2004.
- The ERH system continues to operate in areas that have not yet reached the cleanup objectives. Continuing efforts will be made to increase the applied energy to, and to ensure effective vapor capture within, the localized areas above the cleanup criteria identified during the confirmatory soil sampling.

SVE system (mass waste sand and gravel)

The SVE system continues to operate throughout Areas 1, 2 and the Degreaser Area. No subareas

have been taken off-line, yet.

Sampling and Air Monitoring

- The hydrocarbon analyzer continues to operate. Air monitoring is being conducted from five different ports: ERH inlet, SVE/ERH combined inlet, Intermediate (between first and second vapor-treatment carbon units), stack (effluent) and inside the Lockformer plant.
- Outside perimeter and residential ambient air monitoring and sampling are being conducted using a PID and Summa canister. Outside perimeter and residential data have been below EPA action levels.
- Confirmation sampling has been conducted in Area 2 and subareas 1C, 1E, 1F, 1G and 1H; all sample results were below RAOs. All other subareas' sample data had some RAO exceedances. These subareas continue to get treatment (heating) and additional confirmation samples will be collected in the future.

Planned Removal Actions

- Lockformer will continue remediating the surficial silty clay till and fill in Area 1 and the Degreaser Area with Electrical Resistive Heating (ERH) technology.
- Lockformer will continue remediating the mass waste sand and gravel in Area 1, Area 2 and the Degreaser Area with Soil Vapor Extraction (SVE) technology.
- Dependent on confirmation sampling results in the surficial silty clay till and fill in Area 1 and the Degrease Area, additional subareas will be taken offline with regards to the ERH system. The SVE system will continue to operate until the RAO of 60 µg/kg (ppb) in the mass waste sand and gravel is achieved.

Next Steps

Another round of confirmational sampling of the upper fill in the subareas of Area 1 that are still being remediated by ERH and the Degreaser Area is scheduled for the week of December 27th, 2004. Based on the analytical results of the samples, the treatment schedule of the remaining subareas will be modified, as appropriate.

www.epaossc.org/lockformer